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[PL/PL]; ul. Chochola 43, PL-91-230 Lódz (PL). OLE-
JNIK, Józef [PL/PL]; Osiedle Zaków 61, PL-66-200
Swiebodzin (PL). HEILMAN, Paul [DE/DE]; Tiedstrasse
8, 63469 Maintul (DE).

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(74) Agent: NISZTUK, Helena; Lubuski Klub Techniki i
Racjonalizacji, ul. Niecalna 2F, PL-65-245 Zielona Góra
(PL).

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(71) Applicants (for all designated States except US):
SECO/WARWICK SP. Z O.O. [PL/PL]; ul. Sobieskiego
8, PL-66-200 Swiebodzin (PL). POLITECHNIKA
LÓKZKA [PL/PL]; ul. Stefanowskiego 1/15, PL-90-924
Lódz (PL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KULA, Piotr



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(54) Title: HYDROCARBON GAS MIXTURE FOR THE UNDER-PRESSURE CARBURIZING OF STEEL

(57) Abstract: The subject of present invention relates to mixture for carburizing of steel products, mainly parts of machines, vehicles and every mechanical apparatus, used in vacuum furnaces. Present invention relates to mixture for under-pressure carburizing containing the carbon carrier comprising two unsaturated hydrocarbons, likely ethylene and acetylene, in volume ratio from 0.1 to 2.00. The carbon carrier can be further mixed with hydrogen or ammonia.